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6 SPECIAL DATA COLLECTION SYSTEM EVENT REPORT,
Western Kazakh, SSR, 29 July 1976.

- 9 Technical rept.,
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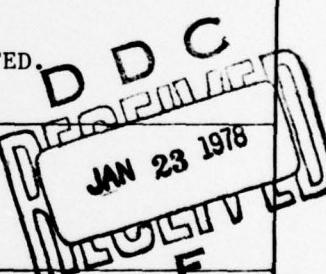
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Unclassified

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SDCS Event Report No. 112

Western Kazakh SSR, 29 July 1976,

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is provided.

	"P" Arrival	Origin Time	Latitude	Longitude	m_b	M_s
NORSAR	05:05:22.4	05:00:00.0	47.6N	047.4E	6.7	N/A
Hagfors	05:05:08.4	05:00:23	50N	047E	6.2	N/A

Using SDCS stations, LASA and NORSAR, the epicenter location and magnitudes become: Origin time - 05:00:08.5; 49.1N; 047.7E; 6.3. N/A

Of the SDCS stations, only HN-ME and RK-ON were operational. The other three stations were shut down on 28 July. Three new stations are to be opened at the Nevada Test Site within the near future.

Short-period signals associated with this event were recorded at HN-ME, RK-ON, LASA, and NORSAR. SDCS data were retrieved from the field station digital tapes. LASA data was retrieved from the SDAC/VELA Network detection processor. Information for NORSAR is reported from their bulletin. Horizontal SP channels at SDCS stations were rotated.

Long-period signals associated with this event were recorded at HN-ME and RK-ON. Long-period data for LASA, and NORSAR were unrecoverable. Horizontal LP channels at SDCS stations were rotated.

Scaling factors on plots are millimicrons at 1 Hz for SP and 0.04 Hz for LP (not corrected for instrument response)

ACCESSION for	
VIS	<input checked="" type="checkbox"/> White Section
DOC	<input type="checkbox"/> Buff Section
UNANNOUNCED	
JUSTIFICATION	
BY	
DISTRIBUTION/AVAILABILITY CODES	
Dist.	<input checked="" type="checkbox"/> SPECIAL
A	

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SEC'S	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD LONG-PERIOD
CPS0	McMinnville, Tennessee	35 35 41.4 N 085 34 13.5 W	574	6480 V 7515 H
FN-WV	Franklin, West Virginia	38 32 58.0 N 079 30 47.0 W	910	KS36000
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300
WH2YK	White Horse, Yukon	60 41 41.0 N 134 58 02.0 W	853	18300

-- HYPO --

29JUL INPUT FOR EVENT 29 JUL 76
05:00:00.0 48.000N 48.000E 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST		
NAO	05 05 22.4	-2.6	0.1	23.9	313.8
RK-ON	05 11 49.9	-0.9	-0.4	75.0	335.9
HN-ME	05 11 19.4	-1.0	-0.0	69.8	318.3
LAO	05 12 28.5	-0.6	0.3	81.3	342.3

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
NO CONVERGENCE ON CALC RUN						
05:00:58.9	51.458N	46.111E	318. CALC	0.9	16	4
05:00:08.5	49.078N	47.763E	0. REST	0.3	3	4

CALC		REST	
2	. 0	2	. 0
1	. 0	1	. 0
0	1. 0	0	1. 0
.	.	.	.
0	0. 0	0	0. 0
0	. 0	0	. 0
0	. 0	0	. 0

CHI2 COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 1.07
MAJOR 301.4KM. MINOR 68.0KM. AZ= 17 AREA= 64343 SQ.KM. REST

DATA SUMMARY

29JUL INPUT FOR EVENT 29 JUL 76
05:00:00.0 48.000N 48.000E 0KM.

STA.	PHASE	ARRIVAL				MAGNITUDE			DIR	DIST
		TIME	INST	PER	A/T	MB	MS			
NAO	EP	05 05 22.4	AB	0.8	3566.	6.55			23.9	
HN-ME	EP	05 11 19.4	SPZ	1.1	310.	6.11			69.8	
HN-ME	LR	05 42 15.0	LPZ	2.0	13.		4.08		69.8	
RK-ON	EP	05 11 49.9	SPZ	0.7	408.	6.11			75.0	
RK-ON	LR	05 46 00.0	LPZ	2.1	13.		4.11		75.0	
LAO	EP	05 12 28.5	SAB	0.8	504.	6.28			81.8	

ORIGIN LAT. LONG. DEPTH (KM) MAG SDV STA
05:00:08.5 49.078N 47.763E 0. REST 6.26 0.21 4

Average long-period magnitude (M_S) is based on Rayleigh wave observations in the period range of 17 to 23 seconds per cycle.

HN-ME 29 JUL 76

05:11:16.4

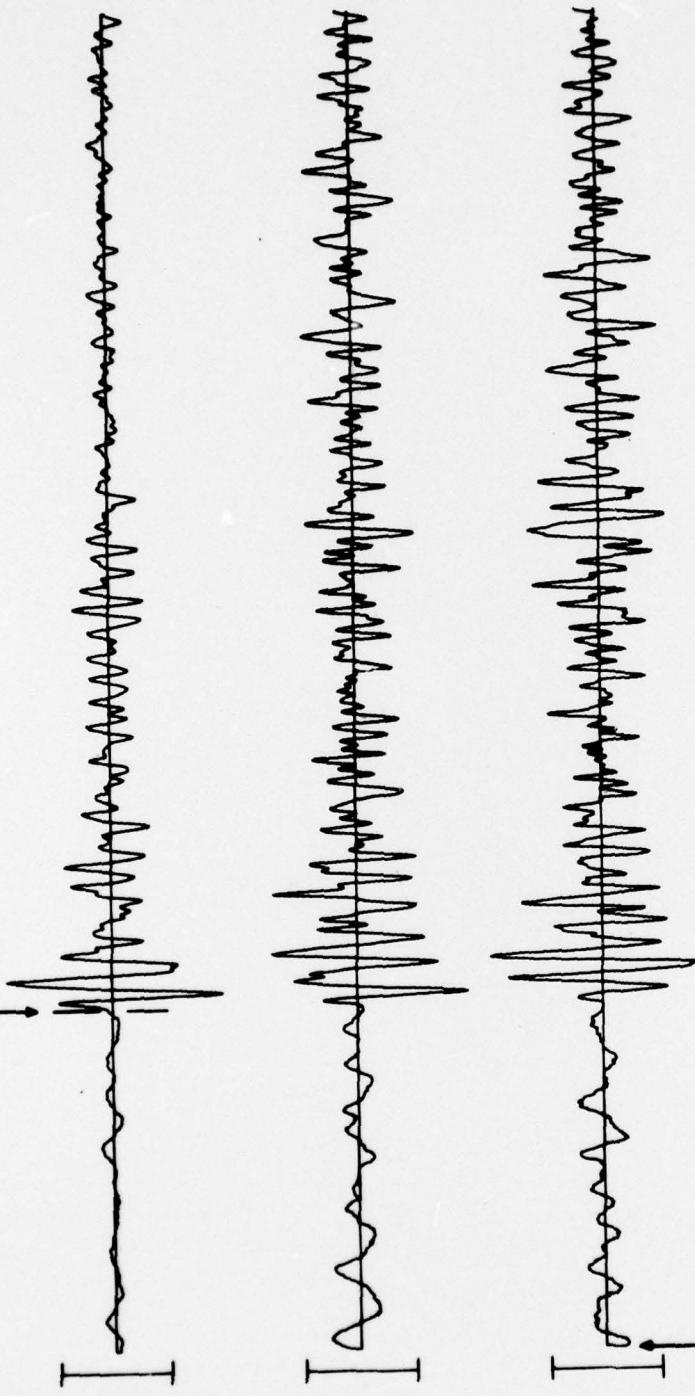
SPZ
144.84 MU

SPR
57.63 MU

SPT
40.59 MU

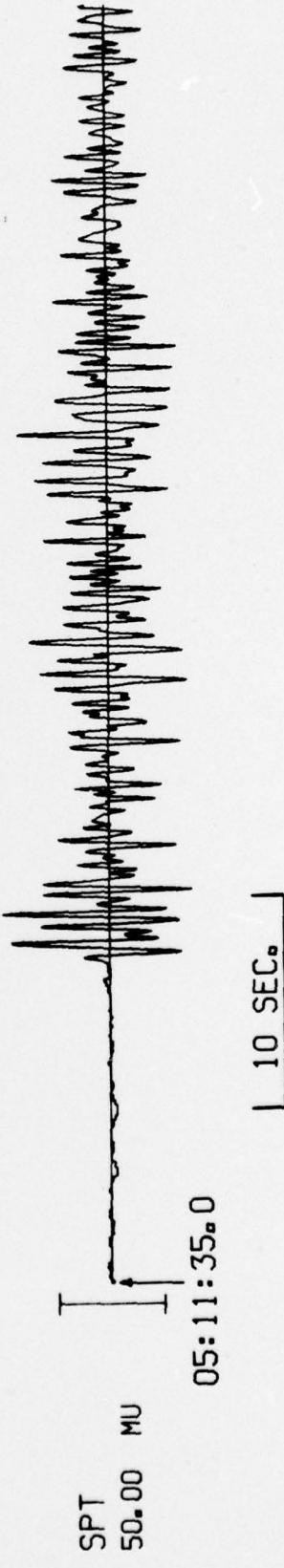
05:11:04.0

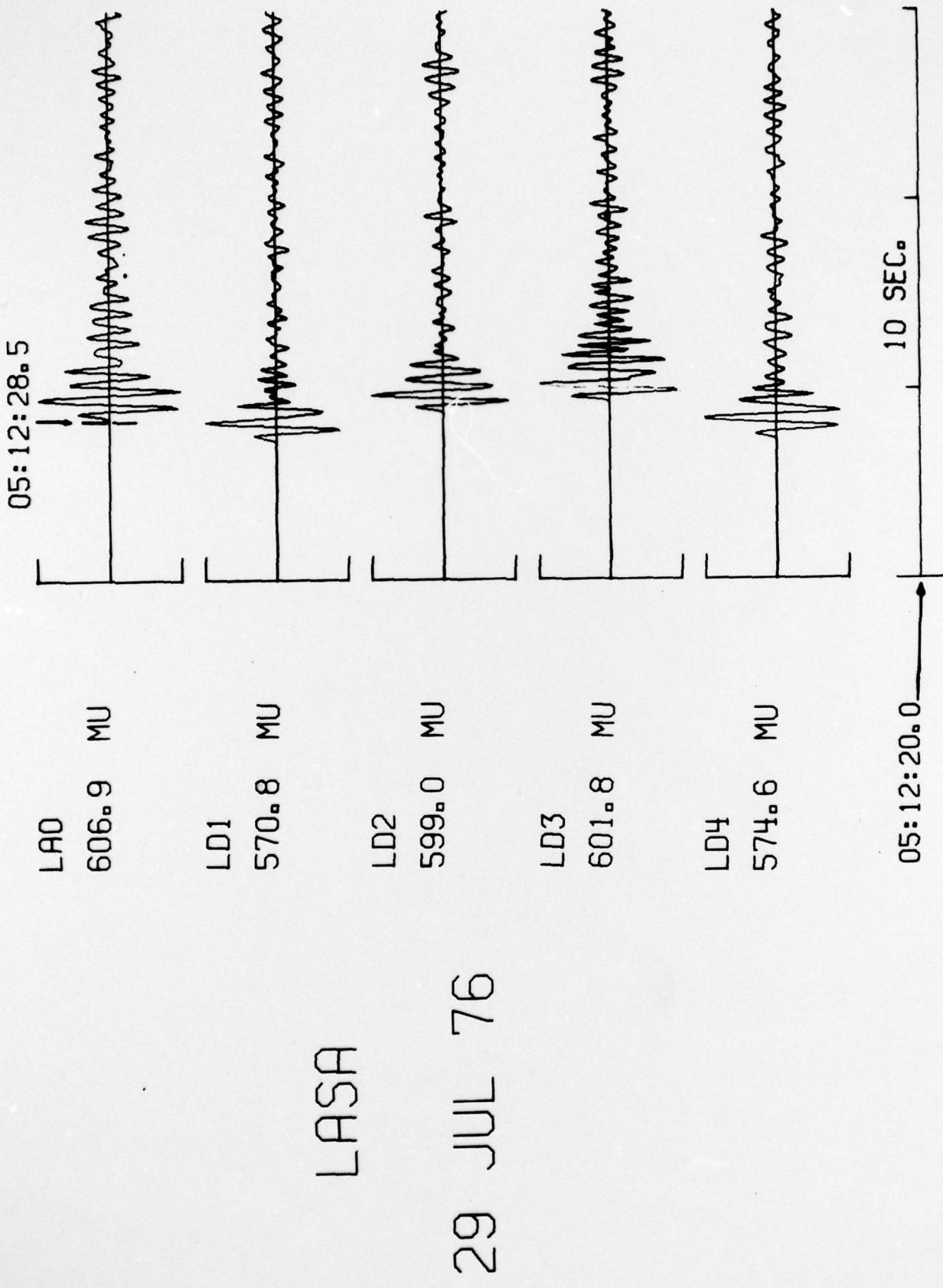
10 SEC.



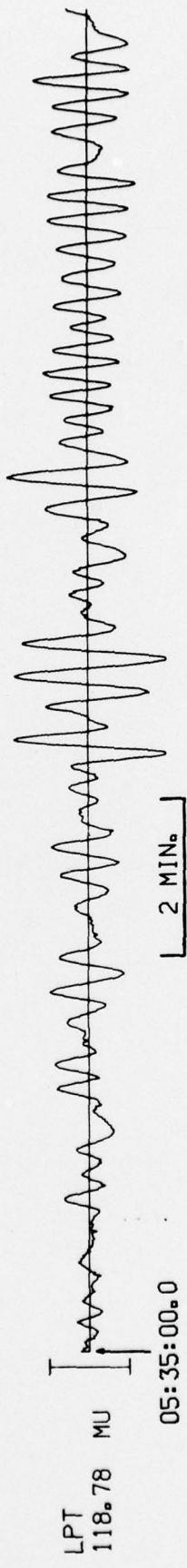
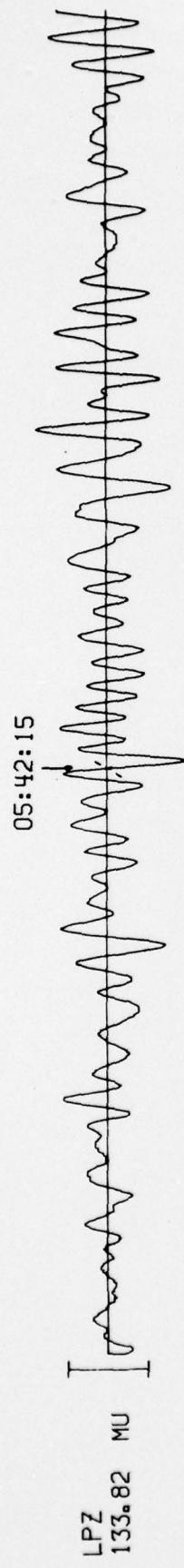
RK-ON 29 JUL 76

05:11:49.9





HN-ME 29 JUL 76



RK-ON 29 JUL 76

